

VERMONT WEEKLY FLU OVERVIEW

December 4-10, 2016 | MMWR Week 49

KEY POINTS

Sporadic reported for MMWR Week 49

- Low levels of Influenza-like Illness (ILI) activity seen in emergency departments
 - Of the total emergency room visits, **1.4% were due to ILI** same as week 48
 - Slight decrease in ILI activity levels reported by outpatient providers
 - Sentinel providers reported **0.5% of patients had ILI**
- Vermont Department of Health Laboratory reported **2 positive flu tests** and the National Respiratory and Enteric Virus Surveillance System reported **7 positive flu tests**

FLU SURVEILLANCE SEASON

Start: MMWR Week 40
(Week End Date 10/08/16)

End: MMWR Week 20
(Week End Date 5/20/17)

NATIONAL WEEKLY FLU REPORT

<http://www.cdc.gov/flu/weekly/index.htm>

VERMONT FLU WEBSITE

www.healthvermont.gov/prevent/flu/flusurveillance.aspx

VT Flu Geographic Spread*

No Activity

Sporadic

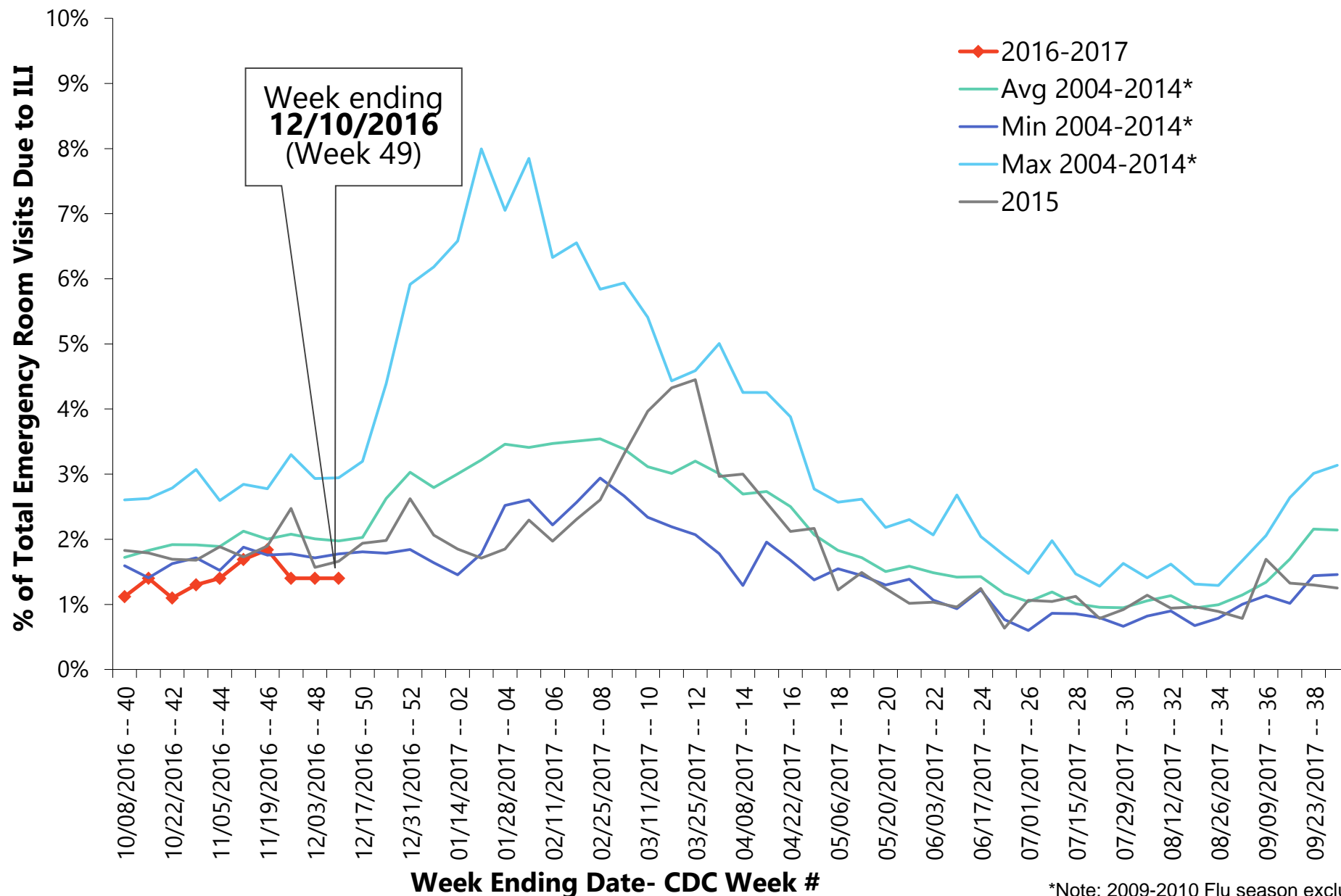
Local

Regional

Widespread

*Based on CDC's Activity Estimates Definitions:
www.cdc.gov/flu/weekly/overview.htm

Syndromic Surveillance of Influenza-Like Illness (ILI) at Vermont Hospitals, 2016-2017 vs. Historic Data

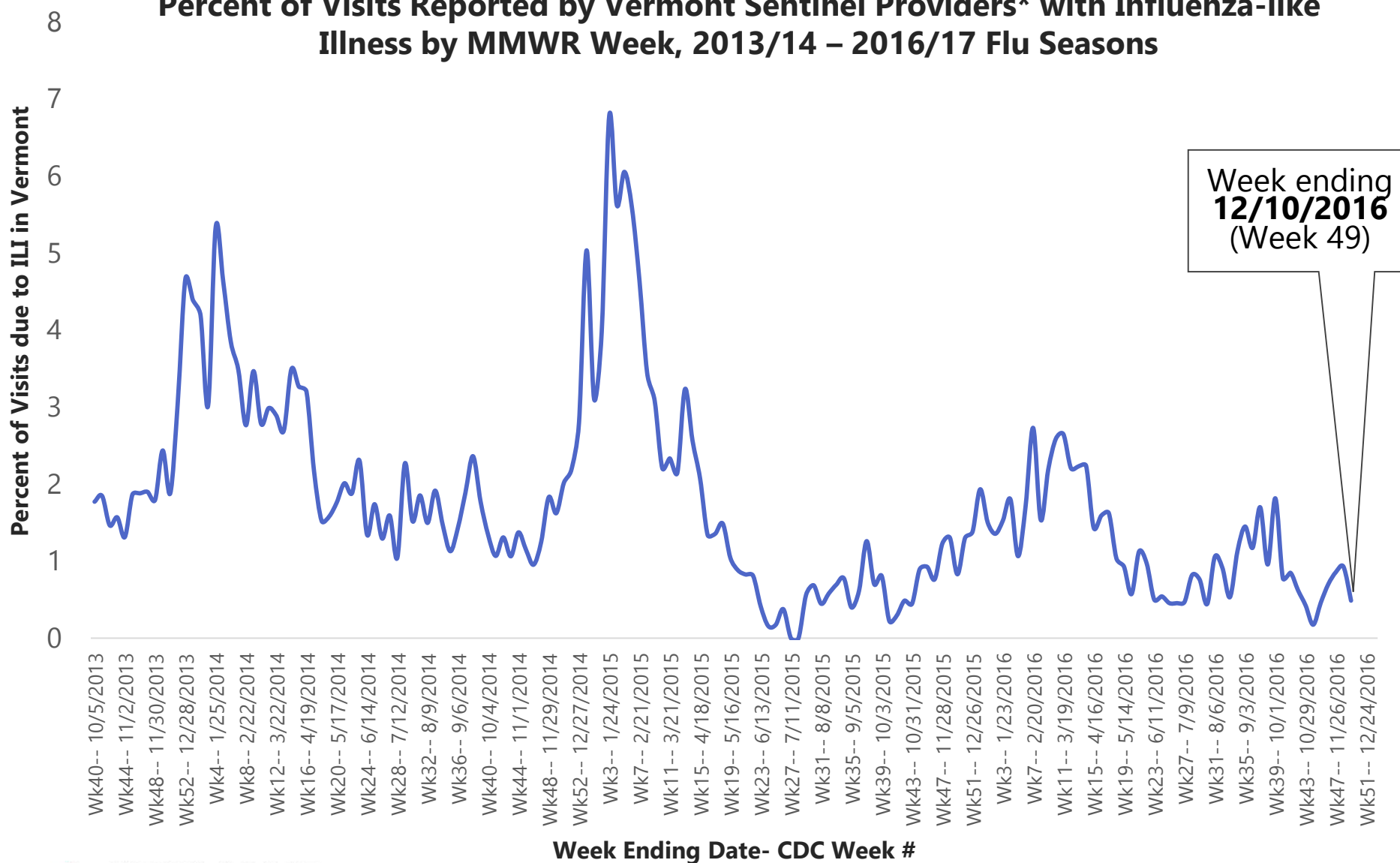


*Note: 2009-2010 Flu season excluded

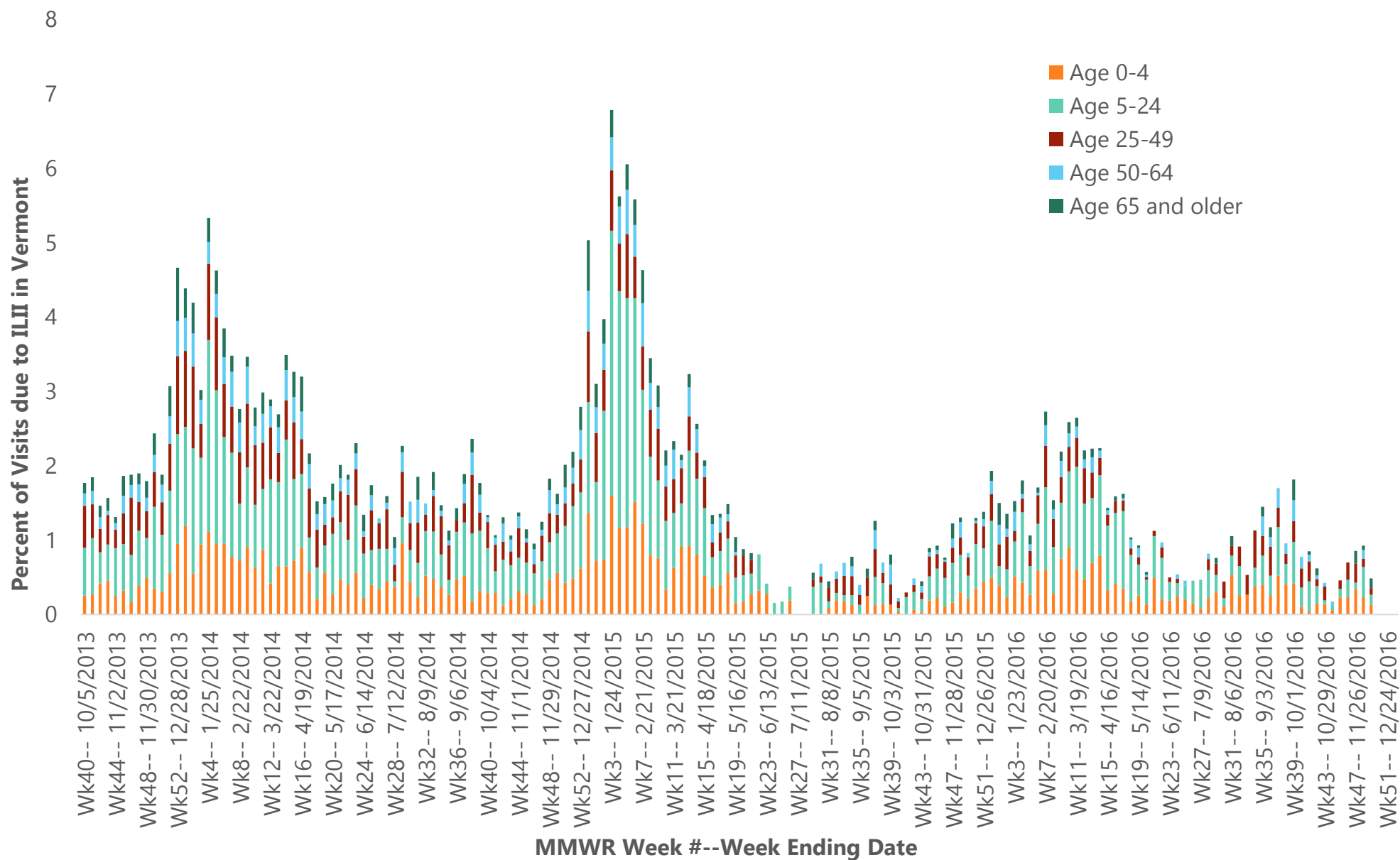
SENTINEL PROVIDER DATA FROM ILINET

- Sentinel providers report the number of patients with an ILI seen by their practices each week.
- ILI is defined as a fever of at least 100° F and cough and/or sore throat, without a known cause other than influenza.
- There are 13 medical practices located throughout the state currently partnering with the Health Department as sentinels.

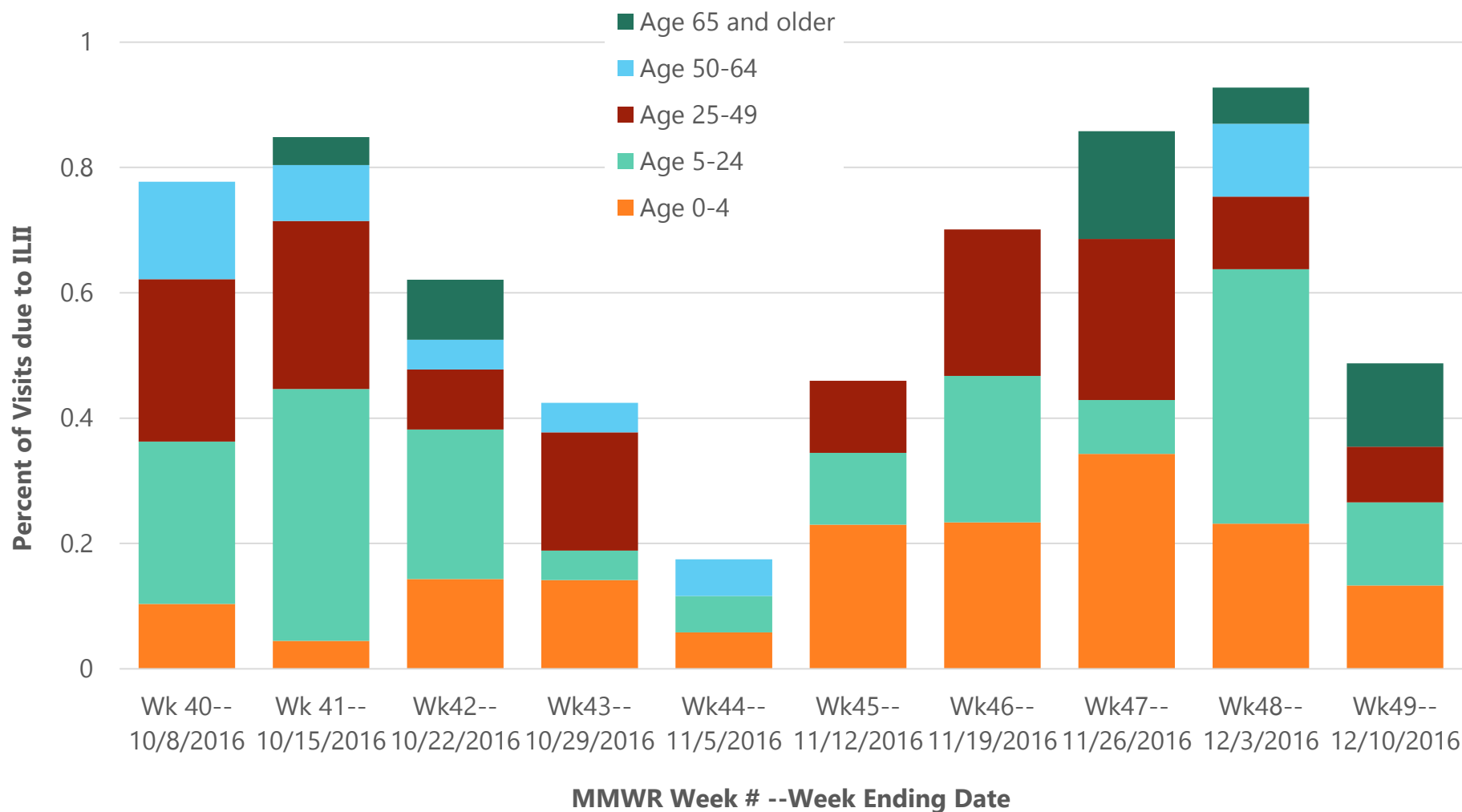
Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by MMWR Week, 2013/14 – 2016/17 Flu Seasons



Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week, 2013/14 – 2016/17 Flu Seasons



Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week 2016/2017 Flu Season



VERMONT DEPARTMENT OF HEALTH LABORATORY (VDHL) AND NATIONAL RESPIRATORY AND ENTERIC VIRUS SURVEILLANCE SYSTEM (NREVSS)

- Individual influenza laboratory results are not reported to the Vermont Department of Health. The data below represents an unknown subset of the actual number of flu tests done in Vermont.
- VDHL tests specimens for flu to identify exactly which strains are currently causing illnesses in the state. Flu testing at the state laboratory is for surveillance purposes and completed on specimens submitted to VDHL.
- NREVSS data is collected from collaborating university and community hospital laboratories. These participating laboratories report positive results for a number of viruses, including influenza, on a weekly basis. Three Vermont hospitals contribute data into this system and is voluntary.

	VDHL*		VDHL*		NREVSS*		NREVSS*	
	Current Week (Dec 4-10, 2016)		2016-2016 Season Total (Oct 2-Dec 10, 2016)		Current Week (Dec 4-10, 2016)		2016-2016 Season Total (Oct 2-Dec 10, 2016)	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Specimens Tested	8		24		121		743	
Positive Specimens	2	25%	5	20.8%	7	5.8%	12	1.6%
Positive Specimens by Type/Subtype								
Influenza A	2	100%	5	100%	7	100%	11	91.7%
A (2009 H1N1)	0	0%	0	0%	0	0%	0	0%
A (H1)	0	0%	0	0%	0	0%	0	0%
A (H3)	2	100%	5	100%	0	0%	0	0%
A (unsubtyped)	0	0%	0	0%	7	100%	11	100%
Influenza B	0	0%	0	0%	0	0%	0	0%
Unknown	0	0%	0	0%	0	0%	1	8.3%

*Laboratory data obtained from VDHL and from NREVSS may include the same specimens tested for flu. They are not mutually exclusive. Facilities that report to NREVSS may submit a specimen to VDHL for additional testing, therefore being reported both in NREVSS and VDHL.